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BCC: R. J. Lombardo - Wilm. Co. (Reg)
D. B. Schree - "
R. M. Salemi
E. H. Kolb
W. B. Jennings
W. E. Stuefer (3)
W. R. Chalker - Louviers
R. Waller - Louviers

June 28, 1968

Mr. James T. Wilburn, Director
Air Pollution Control
Delaware Water & Air Resources Commission
Dover, Delaware 19901

Dear Mr. Wilburn:

In accordance with Air Pollution Regulation IV, Section 4, governing Requirements for Dumps or Sanitary Land-Fills, we submit the attached report for your consideration in acting on our request for approval to continue our present operation. We request that our prior report submitted to you April 2, 1968 on this subject be withdrawn and the attached substituted.

We understand the requirements of the Water and Air Resources Commission require public notice of requests such as ours. The following description would be acceptable to us for your use in this release.

"The Du Pont Company requests approval to continue operation of their present sanitary land-fill operation in conformity with the new land-fill techniques at their Pigments plant at Newport, Delaware."

If you need any further information to assist your department in making a favorable decision on our request, please contact me.

Very truly yours,

E. L. Rodowskas

→ E. L. RODOWSKAS, PLANT MANAGER

WES:pmh
Attachment

AR200025

*Clear copy
retraced 9/24/56*

REQUEST FOR CONTINUATION OF LANDFILL
AND RECLAMATION OPERATION

E. I. DU PONT DE NEMOURS & CO., INC.
PIGMENTS DEPARTMENT
NEWPORT PLANT

The Du Pont Newport Plant is presently operating a landfill operation on 14 acres located at the southwest corner of the plant property. It has been in operation over 50 years. The location is detailed on the Wilmington area and Newport Plant maps included with this report.

I. Technical Information

This landfill operation is owned and operated by the E. I. du Pont de Nemours & Co., Inc., Pigments Department, Newport, Delaware 19804.

Contacts may be made with the following people, preferably in the order listed:

W. A. Roberson, Yard Supervisor	- 774-9377
W. E. Stuefer, Asst. Plant Engineer	- 774-9135
E. H. Kolb, Plant Engineer	- 774-9242
R. Z. Fortney, Employee Relations Supvr.	- 774-9338
E. L. Rodowskas, Plant Manager	- 774-9100

This landfill operation is located at the southwest corner of the plant site, covers approximately 6 of 14 available acres, and is fenced on three sides. The filled area extends approximately 750 feet east to west along the Christiana River and is about 150 feet wide. The south portion borders the river, consists of fill dirt, is the established riverbank, and is not used for dumping. Dumping, until recently, has been only from the top approximately 15 feet above the adjacent swampland along the north and northwest edges.

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NEW

This Durrant Newport plant is a new operating plant
located at A. A. C. Road, Newport, Delaware.

Additional Information

This Land-Fill operation is owned and operated by
The E. I. du Pont de Nemours & Co., Inc., Presently Operat-
ing at Newport, Delaware.

Contacts may be made with the following people
concerning the operation:

- A. Anderson, Yard Supervisor
- E. Scheffer, Asst. Plant Manager
- H. Webb, Plant Engineer
- Z. Hootney, Employee Relations Supvr.
- L. Radwaskas, Plant Manager

This Land-Fill operation is located at the Southwest
corner of the plant site, covering approximately 6
acres and is fenced on three sides. The fill
material is approximately 10 feet high and extends
from the river to the east. The river is
approximately 10 feet wide. The
portion bordering the river consists of
the established river bank and is not
subject to flooding, until recently, has been
approximately 15 feet above the adjacent
swamp land along the North and Northwest edge.

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II. Description of Materials

A. Combustible or Organic Waste

	<u>Volume</u> <u>(Cu.Yds./Day)</u>	<u>Weight</u> <u>(Pounds/Day)</u>
Cellulose (Paper, card-board, wood, etc.)	82	7,380
Plastics (Polyethylene, "Mylar", etc.)	10	500
"Nylon" Shutters	4	420
Acrylic Slab Material	10	8,500
Solid Organic Residue	0.4	100
Mica Dust Material	0.4	150

These materials are insoluble and odor free.

Human and animal wastes and cafeteria garbage are not handled on this site.

B. Noncombustible or Inorganic Waste

Excavation materials, broken concrete, bricks and other nonmetallic, noncombustible materials vary in rate of accumulation based on construction activity and average about 500 tons a year. These materials are used as fill and are insoluble and odor free. Additional fill material is purchased or provided from plant unused areas as needed.

C. Hazardous Waste

Laboratory quantities of hazardous liquids in small glass jars are accumulated in L/P containers and are buried separately, away from the active land-fill operations. Quantities are small, averaging about 25 pounds a week, and present no air or water pollution problem.

AR200028

III. Plan of Operation

Scrap "Nylon" shutters and Acrylic slab material will be dumped from the top at the east end of the present operation at a considerable distance of close to 300 feet from the more combustible trash. These materials require a high heat source to ignite. They will be covered with a minimum thickness of one foot of dirt at the top regularly as the area extends.

Waste containing chromium-dioxide in a solid, water insoluble polymer will be segregated and buried away from active land-fill operations.

Solid organic residues will be segregated and covered or buried regularly.

Mica dusts are inorganic but readily airborne, and these are accumulated in closed containers and buried periodically.

The remaining trash consists of paper, cardboard, wood and packaging and insulation materials with small quantities of organic and inorganic pigments present. This material will be transported by Dempster-Dumpster buckets or dump trucks via a new access roadway at the southwest corner of the plant to the bottom of the west end of the present dump. This material will be spread and compacted by bulldozer up to three times a week, depending on accumulation rates, and will be covered weekly by two inches of fill material topped with six inches of dirt as eight-foot lifts are reached. Coverage on top of last lift will be made with a minimum of twelve inches of fill. This low land-fill area is shielded from the neighboring properties on all sides.

IV. General Information

The above operation is expected to be odor free, fully supervised and controlled, and of minimal fire hazard. Two 1-1/2 inch underground waterlines with 400 feet of hose are maintained on the south section of the land-fill area with a fire hydrant-hose house located north of this area. Around-the-clock surveillance is provided by plant guards on duty 24 hours a day, 7 days a week. A trained fire brigade is maintained on each shift to cope with any fires that might occur anywhere on the plant property.

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The only access to the land-fill area is through the plant and the gates to this area are kept locked, except on the day shift when all trash is hauled.

The direct responsibility for the operation of this land-fill is assigned to a plant supervisor.

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